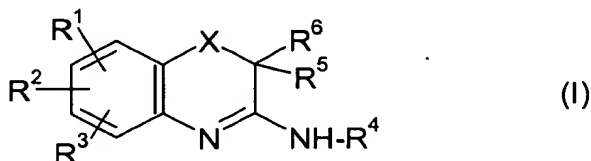


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (previously amended): A compound of Formula I, or a tautomeric or isomeric form or a salt of a compound of Formula I,



wherein

X is O,

R<sup>1</sup> is - (CHR<sup>9</sup>)<sub>n</sub>-NR<sup>7</sup>-A-NR<sup>8</sup>-Y,

R<sup>2</sup> is hydrogen, or

R<sup>1</sup> and R<sup>2</sup> together with two adjacent carbon atoms form a 5-, 6-, 7- or 8-membered ring, which is monocyclic or bicyclic, saturated or unsaturated and in which 1 or 2 CH<sub>2</sub> groups can be replaced by oxygen or carbonyl, and which is substituted with (CHR<sup>9</sup>)<sub>r</sub>-NR<sup>7</sup>-A-NR<sup>8</sup>-Y, and is optionally substituted with C<sub>1-4</sub> alkyl,

R<sup>3</sup> is hydrogen, halogen, NO<sub>2</sub>, cyano, CF<sub>3</sub>, -OCF<sub>3</sub>, -S-R<sup>9</sup>, -O-R<sup>9</sup>, C<sub>3-7</sub> cycloalkyl, -NR<sup>9</sup>-C(=NR<sup>10</sup>)-R<sup>11</sup>, -NH-CS-NR<sup>12</sup>R<sup>13</sup>, -NH-CO-NR<sup>12</sup>R<sup>13</sup>, -CO-R<sup>14</sup>, NR<sup>15</sup>R<sup>16</sup>, C<sub>6-10</sub> aryl, which optionally is substituted with halogen, cyano, C<sub>1-4</sub> alkyl, -S-R<sup>9</sup>, or -O-R<sup>9</sup>, or is thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, 2-C<sub>1-6</sub> alkyl-3-amino-1,4-benzoxazine, or is 2-C<sub>1-6</sub>-alkyl-3-keto-1,4-benzoxazine, or a C<sub>1-6</sub> alkyl, which is optionally substituted with halogen, -OR<sup>9</sup>, -SR<sup>9</sup>, -NR<sup>12</sup>R<sup>13</sup>, =NR<sup>12</sup>, =NOC<sub>1-6</sub> alkyl, =N-

- NHaryl, phenyl, C<sub>3-7</sub> cycloalkyl or with thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, or is a C<sub>2-6</sub> alkynyl, which is optionally substituted with halogen, CONH<sub>2</sub>, C $\equiv$ N or phenyl,
- R<sup>4</sup> is hydrogen or acyl,
- R<sup>5</sup> and R<sup>6</sup>, independently of one another, are hydrogen, C<sub>3-7</sub> cycloalkyl, phenyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl or C<sub>2-6</sub> alkynyl radicals, which are optionally and independently of one another substituted with halogen, OH, O-C<sub>1-6</sub> alkyl, SH, S-C<sub>1-6</sub> alkyl, NR<sup>15</sup>R<sup>16</sup>, thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, phenyl or C<sub>3-7</sub> cycloalkyl,
- R<sup>7</sup> is hydrogen, C<sub>1-6</sub> alkyl, which is optionally substituted with phenyl, COOC<sub>1-6</sub> alkyl or CO-C<sub>1-6</sub> alkyl,
- R<sup>8</sup> is hydrogen, C<sub>1-6</sub> alkyl, which is optionally substituted with phenyl, COOC<sub>1-6</sub> alkyl or COC<sub>1-6</sub> alkyl,
- A is a straight-chain or branched C<sub>1-6</sub> alkylene, or -(CH<sub>2</sub>)<sub>p</sub>-Q-(CH<sub>2</sub>)<sub>q</sub>-,
- Y is hydrogen or -(CH<sub>2</sub>)<sub>p</sub>-U,
- Q is C<sub>3-7</sub> cycloalkyl, indanyl, 5-, 6- or 7-membered saturated heterocycloalkyl with 1-2 N, O or S atoms, C<sub>6-10</sub> aryl or thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, 2-C<sub>1-6</sub> alkyl-3-amino-1,4-benzoxazine, or 2-C<sub>1-6</sub>-alkyl-3-keto-1,4-benzoxazine,
- U is hydrogen, C<sub>1-6</sub> alkyl optionally substituted with halogen, C<sub>3-7</sub> cycloalkyl, indanyl, C<sub>7-10</sub> bicycloalkyl, C<sub>6-10</sub> aryl or thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene,

thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, 2-C<sub>1-6</sub> alkyl-3-amino-1,4-benzoxazine, or 2-C<sub>1-6</sub>-alkyl-3-keto-1,4-benzoxazine, wherein the aryl or thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, 2-C<sub>1-6</sub> alkyl-3-amino-1,4-benzoxazine, or 2-C<sub>1-6</sub>-alkyl-3-keto-1,4-benzoxazine, is optionally substituted with halogen, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, CF<sub>3</sub>, NO<sub>2</sub>, NH<sub>2</sub>, N(C<sub>1-4</sub> alkyl)<sub>2</sub>, cyano, CONH<sub>2</sub>, -O-CH<sub>2</sub>-O-, -O-(CH<sub>2</sub>)<sub>2</sub>-O-, SO<sub>2</sub>NH<sub>2</sub>, OH, phenoxy or COOC<sub>1-4</sub> alkyl,

*p1*  
R<sup>8</sup> and Y together with the nitrogen atom optionally form a 5- to 7-membered saturated heterocycle, which optionally has another oxygen, nitrogen or sulfur atom and is optionally substituted with C<sub>1-4</sub> alkyl, phenyl, benzyl or benzoyl or form an unsaturated 5-membered heterocycle, which optionally has 1-3 N atoms and is optionally substituted with phenyl, C<sub>1-4</sub> alkyl or halogen,

R<sup>7</sup> and A together with the nitrogen atom optionally form a 5- to 7-membered saturated heterocycle, which optionally has another oxygen, nitrogen or sulfur atom or form an unsaturated 5-membered heterocycle, which optionally has 1-3 N atoms,

m is 0, 1 or 2,

n and r is 0, 1 to 6,

p and q is 0 to 6,

R<sup>9</sup> and R<sup>10</sup> is hydrogen or C<sub>1-6</sub> alkyl,

R<sup>11</sup> is C<sub>1-6</sub> alkyl, -NH<sub>2</sub>, -NH-CH<sub>3</sub>, -NH-CN, C<sub>6-10</sub> aryl optionally substituted with halogen, C<sub>1-4</sub> alkyl or CF<sub>3</sub>, or an unsubstituted or substituted with halogen, C<sub>1-4</sub> alkyl or CF<sub>3</sub>, group selected from the group consisting of thienyl, imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, 2-

$C_{1-6}$  alkyl-3-amino-1,4-benzoxazine, and 2- $C_{1-6}$ -alkyl-3-keto-1,4-benzoxazine,  
 $R^{12}$  and  $R^{13}$  are hydrogen,  $C_{1-6}$ , alkyl, phenyl optionally substituted with  
halogen or  $C_{1-4}$  alkyl, benzyl optionally substituted with halogen or  $C_{1-4}$  alkyl,  
or  $C_{3-7}$  cycloalkyl,  
 $R^{14}$  is hydrogen, hydroxy,  $C_{1-6}$  alkoxy, phenyl,  $C_{1-6}$  alkyl optionally  
substituted with  $CO_2H$ ,  $CO_2C_{1-6}$  alkyl, hydroxy,  $C_{1-4}$  alkoxy, halogen,  
 $NR^{15}R^{16}$ ,  $CONR^{12}R^{13}$ , phenyl, or  $C_{2-6}$  alkenyl optionally substituted with  
phenyl, cyano,  $CONR^{12}R^{13}$  or  $CO_2C_{1-4}$  alkyl,  
 $R^{15}$  and  $R^{16}$  are hydrogen,  $C_{1-6}$  alkyl, phenyl or benzyl, and  
 $R^{15}$  and  $R^{16}$  together with the nitrogen atom optionally form a saturated 5-, 6-, or 7-  
membered ring, which optionally has another nitrogen, oxygen or  
sulfur atom and is optionally substituted with  $C_{1-4}$  alkyl, phenyl, benzyl  
or benzoyl.

Claims 2-5 (previously cancelled)

Claim ~~6~~<sup>2</sup> (previously amended): A compound according to claim 1, wherein  $R^1$  and  $R^2$  together  
with two adjacent carbon atoms form the 3- to 8-membered ring that is substituted with -  
 $(CHR^9)_r-NR^7-A-NR^8Y$ .

Claim ~~7~~<sup>3</sup> (previously amended): A compound according to claim 6, wherein  $r = 0$ .

Claim ~~8~~<sup>4</sup> (previously amended): A compound according to claim 1, wherein A is a straight-chain  
or branched  $C_{1-6}$  alkylene or  $-(CH_2)_p-Q-(CH_2)_q-$ , wherein p and q are each independently 1-4.

Claim ~~9~~<sup>5</sup> (previously amended): A compound according to claim 1, wherein U is hydrogen, alkyl  
that is optionally substituted with halogen,  $C_{3-7}$  cycloalkyl or optionally substituted phenyl.

Claim ~~10~~<sup>12</sup> (previously amended): A compound according to claim 1, which is

6-((3-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-(meta-(N-[3-keto-2-methyl-2H-1,4-benzoxazin-6-yl]-methyl-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-(meta-(N-[3-amino-2-methyl-2H-1,4-benzoxazin-6-yl]-methyl-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((4-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-(para-(N-[3-amino-2-methyl-2H-1,4-benzoxazin-6-yl]-methyl-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-(para-(N-[3-keto-2-methyl-2H-1,4-benzoxazin-6-yl]-methyl-aminomethyl)-benzyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-aminomethyl-cyclohex-1-yl)-methyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-(3-(N-[3-amino-2-methyl-2H-1,4-benzoxazin-6-yl]-methyl-aminomethyl)-cyclohex-1-ylmethyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((omega-aminobutyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((omega-aminopentyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((omega-aminohexyl-aminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-[4-nitrobenzyl]-aminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-[2-methylbenzyl]-aminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-[2,4-dichlorobenzyl]-aminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-[chlorobenzyl]-aminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride,

6-((3-[3,4-dichlorobenzyl]-aminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride, or

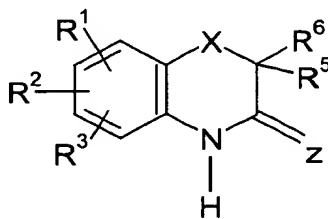
6-((3-benzylaminomethyl)-benzylaminomethyl)-3-amino-2-methyl-2H-1,4-benzoxazine trihydrochloride.

Claim 11 (previously amended): A pharmaceutical composition comprising a compound according to claim 1 and one or more pharmaceutically acceptable auxiliaries.

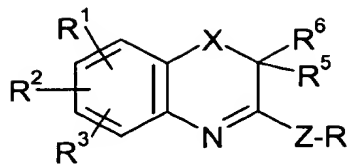
Claim 12 (previously amended): A method of treating a disease that is triggered by NOS comprising administering to a patient in need thereof a pharmaceutical composition according to claim 11.

Claim 13 (previously amended): A method of treating a neurodegenerative disease comprising administering to a patient in need thereof a pharmaceutical composition according to claim 11.

Claim <sup>13</sup>14 (previously amended): A process for preparing a compound of claim 1, comprising reacting a compound of formula IIa or IIb or a salt thereof



IIa



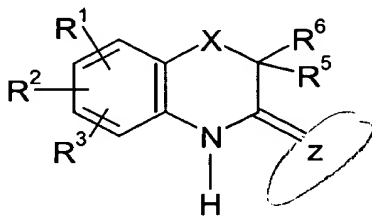
IIb

wherein

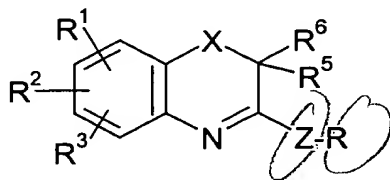
$R^1$ ,  $R^2$ ,  $R^3$ ,  $R^5$ ,  $R^6$  and X are as defined in claim 1, Z is oxygen or sulfur and R is a  $C_{1-6}$  alkyl,

~~with ammonia or a primary amine.~~ *of the formula  $R^4NH_2$*

Claim ~~16~~<sup>14</sup> (currently amended): A compound of formula IIa or IIb



IIa



IIb

wherein

$R^1$  is  $-(CHR^9)_n-NR^7-A-NR^8-B$

$R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are hydrogen,

R<sup>6</sup> is methyl,  
X is oxygen or sulfur, and R is a C<sub>1-6</sub> alkyl.

Claim 16 (previously cancelled)

Claim ~~17~~<sup>6</sup> (previously added): A compound according to claim 1, wherein R<sup>11</sup> is thienyl.

Claim ~~18~~<sup>7</sup> (previously amended): A compound according to claim 1, wherein R<sup>8</sup> and Y together or R<sup>7</sup> and A together, independently of each other, is selected from the group consisting of imidazole, pyrrole, pyrazole and triazole.

Claim ~~19~~<sup>8</sup> (previously added): A compound according to claim 1, wherein U is hydrogen, C<sub>1-6</sub> alkyl optionally substituted with halogen, C<sub>3-7</sub> cycloalkyl, indanyl, C<sub>7-10</sub> bicycloalkyl, or C<sub>6-10</sub> aryl.

Claim ~~20~~<sup>9</sup> (previously added): A compound according to claim 1, wherein saturated heterocycle is piperidine, pyrrolidine, morpholine, thiomorpholine, hexahydroazepine, piperazine, N-methyl-piperazine, 2,6-dimethylmorpholine, phenylpiperazine or 4-(4-fluorobenzoyl)-piperidine.

Claim ~~21~~<sup>10</sup> (previously added): A compound according to claim 1, wherein R<sup>8</sup> and Y together or R<sup>7</sup> and A together, independently of each other, form a 5- to 7-membered saturated heterocycle.

Claim ~~22~~<sup>11</sup> (previously added): A compound according to claim 1, wherein R<sup>8</sup> and Y together or R<sup>7</sup> and A together, independently of each other, form a 5- to 7-membered saturated heterocycle selected from the group consisting of piperidine, pyrrolidine, morpholine, thiomorpholine, hexahydroazepine, piperazine, N-methyl-piperazine, 2,6-dimethylmorpholine, phenylpiperazine and 4-(4-fluorobenzoyl)-piperidine.

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